INTERNATIONAL SEARCH REPORT

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International application No.

PCT/JP2004/004215

	ATION OF SUBJECT MATTER H01L27/146, H01L31/10, G01T1/	20	
According to Inte	rnational Patent Classification (IPC) or to both national	classification and IPC	
B. FIELDS SE			
	entation searched (classification system followed by classification system		
Int.Cl'	Cl ⁷ H01L27/146, H01L31/10, G0	111/20	
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	earched other than minimum documentation to the exten	at that such documents are included in the Esuryo Shinan Toroku Koho	fields searched 1996–2004
Jitsuyo Kobai Ji		roku Jitsuyo Shinan Koho	1994-2004
1	•		
Electronic data b	ase consulted during the international search (name of d	ata base and, where practicable, search te	rins used)
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT	•	
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
X	JP 2003-86826 A (Hamamatsu Ph	notonics Kabushiki	1,3,5-7,
	Kaisha),	•	9-12
Y	20 March, 2003 (20.03.03),		2,4,8
	Full text; all drawings		
	(Family: none)		
х	JP 2003-86827 A (Hamamatsu Pl	hotonics Kabushiki	1,3,5-7,
	Kaisha),		9-12
Y	20 March, 2003 (20.03.03),		2,4,8
	Full text; all drawings		
1	(Family: none)		
Y	JP 5-121711 A (NEC Corp.),		2-6,8-12
	18 May, 1993 (18.05.93),		
	Full text; all drawings		·
	(Family: none)		
[·			
X Further do	cuments are listed in the continuation of Box C.	See patent family annex.	
	gories of cited documents:	"T" later document published after the int	
	lefining the general state of the art which is not considered licular relevance	date and not in conflict with the application the principle or theory underlying the	cation but cited to understand invention
	cation or patent but published on or after the international	"X" document of particular relevance; the	
filing date	which may throw doubts on priority claim(s) or which is	considered novel or cannot be cons step when the document is taken alone	
cited to est	ablish the publication date of another citation or other	"Y" document of particular relevance; the	claimed invention cannot be
	on (as specified) eferring to an oral disclosure, use, exhibition or other means	considered to involve an inventive combined with one or more other such	h documents, such combination
"P" document p	ublished prior to the international filing date but later than	being obvious to a person skilled in the	ne art
the priority	date claimed	"&" document member of the same patent	атиу
Date of the actus	al completion of the international search	Date of mailing of the international sea	rch report
08 June, 2004 (08.06.04)		22 June, 2004 (22.	
Name and maili	ng address of the ISA/	Authorized officer	
	se Patent Office		
Encolonite NY-		Telephone No.	•
Facsimile No.	10 (second sheet) (January 2004)	1 20.00.000 1.01	

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/004205

ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Ÿ	JP 11-297975 A (Canon Inc.), 29 October, 1999 (29.10.99), Full text; all drawings & EP 936680 A2 & US 6169317 B1	4-6,11
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